

WHAT IS CLAIMED IS:

- 1 1. An electromagnetic shielding structure, comprising:
2 at least one elongated first element defining an electrically conductive
3 barrier surface against propagation of electromagnetic energy through said first
4 element;
5 at least one second element, generally oriented along the conductive
6 barrier surface defined by the first element, for continuing said barrier surface
7 against propagation of electromagnetic energy;
8 wherein at least one of the first and second elements has at least a
9 portion of a limited length, oriented to cross with the barrier surface, wherein
10 said portion has a receiving slot into which the other of said first and second
11 elements is insertable, said receiving slot having an inside width that is
12 nominally smaller than an outside width of said other of said first and second
13 elements for insertion into the receiving slot, wherein at least one of said
14 receiving slot and said other of the first and second elements is deformed by
15 said insertion, and wherein the first and second elements are electrically and
16 mechanically connected by said insertion.
- 1 2. The shielding structure of claim 1, wherein the first and second
2 elements comprise walls of a shielding enclosure.
- 1 3. The shielding structure of claim 2, wherein the walls of the
2 shielding enclosure extend in parallel planes and overlap one another.
- 1 4. The shielding structure of claim 2, wherein the walls of the
2 shielding enclosure meet along a right angle edge.
- 1 5. The shielding structure of claim 3, wherein the portion oriented to
2 cross the barrier surface comprises a tab cut from a section of said one of the
3 first and second elements that has the limited length portion, wherein the tab is
4 bent from the plane of said section.

1 6. The shielding structure of claim 3, wherein the portion oriented to
2 cross the barrier surface comprises one of a concavity and a convexity at which
3 a section of said one of the first and second elements is deformed to provide
4 said portion.

1 7. The shielding structure of claim 1, wherein the portion comprises
2 a connector having a vee groove with converging sides leading into a slot,
3 wherein the slot at least partly defines the receiving slot for said insertion.

1 8. The shielding structure of claim 1, wherein the portion has a
2 groove leading into a slot with parallel sides, wherein the slot at least partly
3 defines the slot for said insertion.

1 9. The shielding structure of claim 1, wherein the portion comprises
2 at least one insulation displacement connector fitting having converging knife
3 edges

1 10. A method for electromagnetically shielding a load, comprising the
2 steps of:
3 defining a shielding enclosure around the load for blocking at least one of
4 ingress and egress of electromagnetic energy;
5 placing a first element comprising a conductive material to provide a
6 conductive barrier surface encompassing part of the shielding enclosure;
7 continuing the conductive barrier surface by placing at least one second
8 element comprising a conductive material, to encompass a further part of the
9 shielding enclosure, wherein the second element is generally oriented along the
10 conductive barrier surface defined by the first element;
11 crossing the first and second elements over at least at least a portion
12 limited length along one of the first and second elements having a receiving
13 slot, wherein the receiving slot has an inside width that is nominally smaller than

14 an outside width of said other of said first and second elements for insertion into
15 the receiving slot;
16 inserting an edge of the other of said first and second elements into the
17 receiving slot, thereby deforming at least one of said receiving slot and said
18 edge inserted therein, wherein insertion of the edge in the receiving slot
19 mechanically attaches and electrically couples the first and second elements.